

WHAT IS CLAIMED IS:

1. An isolated nucleic acid molecule comprising a nucleotide sequence encoding the amino acid sequence shown in  
5 SEQ ID NO:2, SEQ ID NO:4 or SEQ ID NO:6.

2. The isolated nucleic acid molecule of claim 1,  
comprising a nucleotide sequence encoding the amino acid  
sequence shown in SEQ ID NO:2.

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3. The isolated nucleic acid molecule of claim 1,  
comprising a nucleotide sequence encoding the amino acid  
sequence shown in SEQ ID NO:4.

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4. The isolated nucleic acid molecule of claim 1,  
comprising a nucleotide sequence encoding the amino acid  
sequence shown in SEQ ID NO:6.

5. A substantially isolated protein having the  
20 kinase activity of the protein shown in SEQ ID NO:2, SEQ ID  
NO:4 or SEQ ID NO:6, which is encoded by a nucleotide sequence  
that hybridizes to SEQ ID NO:1, SEQ ID NO:3 or SEQ ID NO:5  
under highly stringent conditions.

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